

LOCKHEED AIRCRAFT CORPORATION		ENGINEERING STUDY <input type="checkbox"/>		LAC -147	
DATE 2 JANUARY 1963		AFFECTS: WSPO <input checked="" type="checkbox"/>		PROJECT <input checked="" type="checkbox"/>	
NAME OF MAJOR COMPONENT ELECTRICAL SYSTEM		PART OR LOWEST SUBASSEMBLY RELAYS		PART NO. & MODEL OR TYPE	
TITLE OF PROPOSAL : BATTERY DISCHARGE INDICATION AND REVERSE CURRENT RELAY IMPROVEMENT					
NATURE OF PROPOSAL : <ol style="list-style-type: none"> Replace the existing Reverse Current Relay and Battery Relay with a relay which would combine the functions of both and provide the following improvements: <ol style="list-style-type: none"> A relay contact which would close whenever battery discharge current exceeds 5 Amps. Provide an improved spring loaded "differential voltage-reverse current" contact which will drop out whenever the relay is de-energized. Provide a light in the cockpit which will illuminate whenever battery discharge current is 5 Amps or more. Prepare and issue a Service Bulletin and manufacture the necessary kits. 					
REASON FOR PROPOSAL : <ol style="list-style-type: none"> Prevent battery discharge without pilots knowledge of same. This would prevent complete loss of power due to low D-C Generator voltage or failure of the reverse current relay. Prevent application to the D-C buss of a generator with low voltage on reversed polarity. The existing Reverse Current Relay has a magnetically latched "differential voltage-reverse current" contact which will open only if reverse current is drawn by the generator. This obviates the differential function of the relay and allows a generator with low voltage on reversed polarity to be applied to the buss. 					
ES	ESTIMATED COST AND TIME INVOLVED : ADDITIONAL FUNDING REQUIRED :				
CP	ESTIMATED COST FOR KITS OR PARTS : <input type="text"/> Customer No. 1-7 Kits = <input type="text"/> ADDITIONAL FUNDING REQUIRED : None (SP-1922) Customer No.2 - 27 Kits				
ITEMS AFFECTED BY PROPOSAL :					
SAFETY <input type="checkbox"/>	MISSION EFFEC- TIVENESS <input checked="" type="checkbox"/>	PERFORM- ANCE <input checked="" type="checkbox"/>	OPERATING PROCEDURE <input checked="" type="checkbox"/>	INTER- CHANGE- ABILITY <input checked="" type="checkbox"/>	WEIGHT OR WEIGHT & BALANCE <input type="checkbox"/>
					TOOLS & SUPPORT EQUIPMENT <input type="checkbox"/>
					MAINTENANCE PROCEDURE <input checked="" type="checkbox"/>
					SERVICE LIFE <input type="checkbox"/>
					FLIGHT MANUAL <input checked="" type="checkbox"/>
					MAINTENANCE MANUAL <input checked="" type="checkbox"/>
EST. MAN/HRS. REQ'D. TO ACCOMPLISH CHANGE IN FIELD					
SOURCE OF PARTS FOR KIT LAC			AVAILABILITY 17 WEEKS AFTER APPROVAL		
DISPOSITION OF SPARES AFFECTED AN3025-2 RELAYS NO LONGER REQUIRED					
INITIATED BY : Approved For Release 2002/10/31 : CIA-RDP89B00980R000200180035-6			APPROVED : WSPO <input type="checkbox"/>		